

## **Biomechanics and Paralympics Sports (in Thailand)**

Weerawat 'Wat' Limroongreungrat PhD, PT

College of Sports Science and Technology  
Mahidol University

### **Abstract**

The number of athletes participated in the Paralympic Games has gradually increased. This year, about 4,400 athletes compete in Tokyo Paralympics Games 2020. Wheelchair racing has been a part of the Paralympics since 1960 and has become one of the most prominent events in Paralympic. Biomechanics of racing wheelchair propulsion both kinematics and kinetics have been widely investigated. This presentation will look at biomechanics researches of racing wheelchair propulsion. A number of sports biomechanists in Thailand is very limited, particularly those working with para sports. Sports Authority of Thailand (SAT) and Paralympic Committee of Thailand have been worked together to provide sports science team to the sport association. Recently, I have been assigned to work with Thai Para Cycling Association to help improve performance and reduce injuries.